

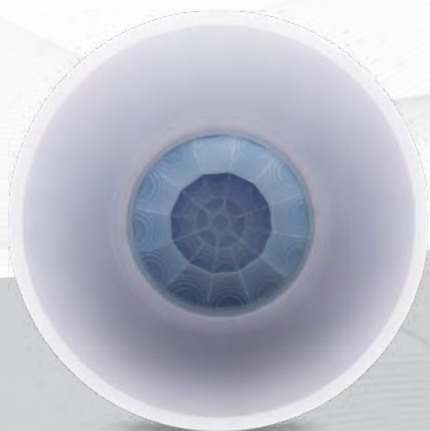


TIS ENERGY SERVANT

Ceiling Sensor with 10 Functions

Data Sheet Rev 3.2

Model: ES-10F-CM



OVERVIEW

This product is a ceiling sensor designed to detect movement and adjust other components based on room occupancy for utmost automation and efficiency.

KEY BENEFITS

- + Integratable with other TIS solutions
- + Capable of controlling media & AC devices
- + Minimizes energy wastage
- + Ideal home security device

KEY FEATURES

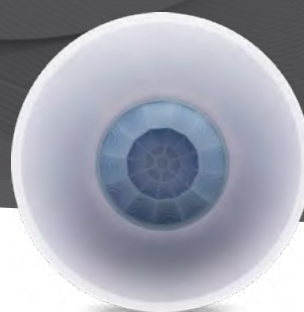
- ★ Multi-functional device with many logic lines
- ★ Programmable for scenes & presets
- ★ Controllable via TIS App
- ★ Practical for home & office rooms



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PRODUCT SPECIFICATIONS

	Input	PIR motion sensor	Dual element pyro-electric ceramic
		Digital input. Open / Close	2 Channels
	Output	Length of connected wire to DI	< 350 meter
		Light intensity sensor	0 – 8000 Lux meter
	TIS Bus	IR receiver	TIS infrared code receiver
		Temp sensor	Temp resistance sensor
	PIR Detection	Infrared transmitters	6 probes to cover 360 degree
		DC Output	12 V DC / 50 mA
	Protection	Number of devices on 1 line	Max. 64
		Bus voltage	12-32 V DC
	Reaction time	Current consumption	<15 mA / 24 V DC
		PIR range	4-6 meters (installation height 2.6 - 3 meters)
	Mounting	PIR detection angle	110° from the ceiling down
		Protection	Reverse polarity protection
	Connection Terminal	Reaction time	approx. 20ms
		Celling mount	2 screws on the base of the sensor
	Operation	Terminal connector	0,25...2mm2
		Programming button	For assignment of the physical address
	Functions	Indicator LED	Blue or Red LED (optional)
		TIS bus	TIS protocol messages & commands
	Weight	Upgrading	1 X mini USB for upgrading
		Logic/ Timers	32 Timers and logic conditions
	Dimensions	IR code memory / Flags	250 IR code memory & flags
		Security function	Away, Night, Day, Fire alarm modes
	Housing	IR receiver	8 buttons function
		Without packaging	60g
	Temperature range	Materials	Fireproof ABS & PC
		Casing color	White
	Air humidity	Base color	Black
		IR window cover	Transparent white
	Air humidity	IP rating	IP 20
		Operation	-10...60°C
	Air humidity	Storage	-20...50°C
		Transport	-25...75°C
	Air humidity		<85% non-condensing



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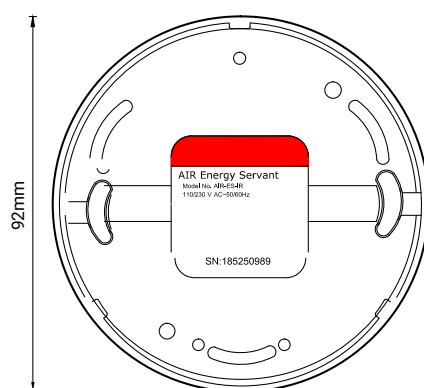
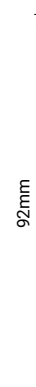
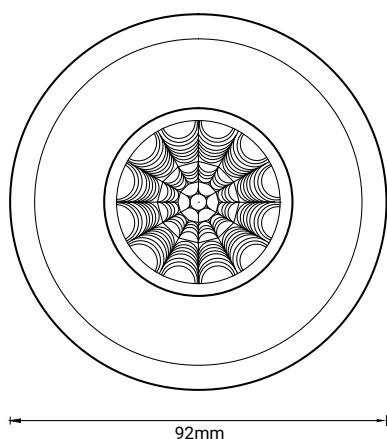
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PROBE IR EMITTER



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